WASTEWATER-LAND APPLICATION PERMIT
LA-000007-03

Magic West Inc., 600 East Harrison, Glenns Ferry, Idaho 83623, IS HEREBY AUTHORIZED TO CONSTRUCT, INSTALL, AND OPERATE A WASTEWATER-LAND APPLICATION TREATMENT SYSTEM IN ACCORDANCE WITH THE WASTEWATER-LAND APPLICATION RULES (IDAPA 58.01.17), THE WATER QUALITY STANDARDS AND WASTEWATER TREATMENT REQUIREMENTS (IDAPA 58.01.02), THE GROUND WATER QUALITY RULE (IDAPA 58.01.11), AND ACCOMPANYING PERMIT APPENDICES AND REFERENCE DOCUMENTS. **THIS PERMIT IS APPLICABLE TO THE MAGIC WEST INC. PROPERTY LOCATED APPROXIMATELY ONE MILE NORTHWEST OF THE MAGIC WEST FACILITY (COMMONLY REFERRED TO AS THE GLENNS FERRY FARM SITE).** THIS PERMIT IS EFFECTIVE FROM THE DATE OF SIGNATURE AND EXPIRES ON, 6/27/07.

Charles W. Reinhart for SEW

STEPHEN E. WEST
BOISE REGIONAL ADMINISTRATOR
IDAHO DEPARTMENT OF ENVIRONMENTAL QUALITY

6/27/02
DATE

DEPARTMENT OF ENVIRONMENTAL QUALITY
1445 N. Orchard
Boise, ID 83706-2239
(208) 373-0550

POSTING ON SITE RECOMMENDED

B. Permit Contents, Appendices, Reference Documents

Reference Documents Incorporated or to be Incorporated into Permit

1. Plan of Operations (Operation and Maintenance Manual (O&M))

The Sections, Appendices, and Reference Documents listed on this page are all elements of Wastewater-Land Application Permit LA-000007-03 and are enforceable as such. This permit does not relieve Magic West Inc., hereafter referred to as the permittee, from responsibility for compliance with other applicable federal, state or local laws, rules, standards or ordinances.

C. Facility Information

Legal Name of Permittee	Magic West Inc.
Type of Wastewater	Potato Process Wastewater.
Method of Treatment	Slow rate land application.
Type of Facility	Private
Facility Location	Approximately one mile northwest of the Magic West Facility.
Legal Location	T5S, R10E, Sections 19 and 30
County	Elmore
USGS Quad	Glenns Ferry
Soils on Site	Baldock Loam, Taxadjunet of Baldock Loam, Buko Fine Sandy Loam, Royal Fine Sandy Loam, and Letha Fine Sandy Loam.
Depth to Ground Water	Depth to ground water ranges from approximately 7.42 to 47.63 feet.
Beneficial Uses of Ground Water	Industrial and Domestic.
Nearest Surface Water	Little Canyon Creek, Snake River – 2 miles (approx.).
Beneficial Uses of Surface Water	Agriculture, Industrial, Domestic, Recreation and Aquatic Life.
Responsible Official **Mailing Address** **Phone / Fax**	Magic West Inc. Mr. Trace McCune Plant Manager 600 East Harrison Glenns Ferry, Idaho 83623 208-366-7477 / 208-366-7751

D. Site-Specific Permit Conditions

1) The Permittee is allowed to apply wastewater and treat it on the land application sites as prescribed in the tables below and in accordance with all other applicable permit conditions and schedules.

Category	Permit Limits and Conditions
Type of Wastewater	Potato Process Wastewater
Application Site Area	329.8 acres (GS) and 316.8 acres (NGS) (see Appendix 1)
Application Season	Year round
Growing Season (GS)	April 1 through October 31
Non-growing Season (NGS)	November 1 through March 31
Growing Season (GS) Maximum Hydraulic Loading Rate (applies to wastewater and supplemental irrigation water).	Irrigation Water Requirement[1] No ponding as a result of wastewater application and no runoff of water is allowed.
Non-Growing Season (NGS) Maximum Hydraulic Loading Rate	Non-growing Season Hydraulic Loading Rate (HLR_{ngs})[2]. A maximum HLR_{ngs} for each hydraulic management unit (HMU) will be set as follows: HMU — Acres irrigated[3] — Maximum HLR_{ngs} (in/ac) (MG) Pivot 1 — 34.1 — 5.17 — 4.79 Pivot 2 — 73.5 — 5.17 — 10.32 Pivot 3 — 109.1 — 4.57 — 13.54 Pivot 4 — 20.5 — 4.57 — 2.54 Pivot 5 — 21.6 — 4.57 — 2.68 Pivot 6 — 13.1 — 5.17 — 1.84 WH – 1 — 14.9 — 5.87 — 2.37 WH – 2 — 8 — 4.57 — 0.99 WH – 3 — 7.9 — 5.17 — 1.11 WH – 4 — 2.4 — 5.17 — 0.34 WH – 5 — 3.3 — 5.17 — 0.46 WH – 6 — 8.4 — 5.17 — 1.18 No application of water is allowed when conditions exist where water can freeze and accumulate on the soil surface to the point that water will runoff and/or pond in low areas or result in runoff and/or ponding during melt conditions.

D. Site-Specific Permit Conditions (continued)

Category	Permit Limits and Conditions
Wastewater Quantity	Process Wastewater 116.7 MG/year
Livestock Grazing	DEQ-approved grazing management plan required prior to any grazing.
Ground Water Quality	Ground water quality shall be in compliance with the Ground Water Quality Rule (GWQR), IDAPA 58.01.11.
COD Loading (lbs./acre-day), each HMU	50, Seasonal average (GS & NGS)
Maximum Nitrogen Loading Rate, lbs./acre-yr. (from all sources including, solids and supplemental fertilizers)	150 percent of typical crop uptake. • The previous three year's average actual crop uptake shall be used to determine the next year's maximum permitted nitrogen loading rate (i.e. three year average actual crop uptake times 1.5).
Phosphorus Limits	DEQ reserves the right to re-open this permit for inclusion of phosphorus limits. Phosphorus limits will be incorporated into this permit if operation of land application site results in phosphorus input to surface water bodies that: ▪ are on the current 303 (d) list for nutrients as a pollutant; or ▪ the TMDL process identifies phosphorus as a pollutant of concern; or ▪ results in a violation of IDAPA 58.01.02, Water Quality Standards and Wastewater Treatment Requirements.
Construction Plans	Prior to construction of all wastewater facilities, detailed plans and specifications shall be reviewed and approved by DEQ. Within 30 days of completion of construction, the permittee shall submit as-built plans for review and approval or a letter from an Idaho-registered Professional Engineer certifying that the wastewater facilities were constructed in substantial accordance with the approved plans and specifications.
Supervision	The wastewater treatment and application systems shall be operated under the supervision of a competent operator. The operator will be required to complete the DEQ sponsored 2002 WLAP training course offered by Brown Environmental or comparable training. DEQ recommends that the operator attend any applicable training that is offered by the Southwest Idaho Operator Section of the Pacific Northwest Pollution Control Association (i.e. land application of wastewater, wastewater pre-treatment, operation and maintenance of pumps, emergency response, the use of polymers for water and wastewater treatment, etc.) and become certified through the Idaho Wastewater Operators Certification program during the life of this permit.

D. Site-Specific Permit Conditions (continued)

Category	Permit Limits and Conditions
Buffer Zones	Buffer zones from land application areas shall be provided as follows: • Dwellings 300 feet • Public access areas 50 feet • Natural surface water bodies 100 feet • Man-made irrigation conveyances 50 feet Buffer zone distances may be reduced to alternative distances by employing approved mitigation measures including: 1. Establishment of an effective physical barrier; 2. utilization of "non-spray irrigation (drag tubes or equivalent apparatus); 3. managing irrigation systems in a manner which would prevent any spray drift towards the buffered object; and/or 4. run-off and/or over spray controls. All mitigation measures to reduce buffer zone distances must be submitted and approved by DEQ prior to use. BMP's to prevent runoff from the site shall be used in the buffer zones around all areas where runoff to surface water may occur.
Odor Management	The Odor Management Plan shall be included as part of the Operation and Maintenance Manual. MWI will be required to follow the Odor Management Plan and update it if nuisance odor conditions occur.
Fencing and Posting	Chain-link fencing and warning signs are required around the process water storage pond. Signs should read "Wastewater Storage Facility – Keep Out" or equivalent. Fencing and signs are not required around the land application site.
Surface Water Protection	The irrigation pumps connected to the King Hill Irrigation system water supply shall be equipped with DEQ approved back flow prevention devices or be provided with air gaps, or some other positive means, to prevent back flow. These back flow prevention devices shall be tested for proper operation on an annual basis.

D. Site-Specific Permit Conditions (continued)

Category	Permit Limits and Conditions
Wellhead Protection	The following buffer zones shall be maintained for wellhead protection: • 500 feet or more shall be maintained between land application areas and domestic water supplies unless a Department approved capture zone and mixing zone analysis indicates an alternative buffer zone is acceptable. • 50 feet or more shall be maintained between land application areas and on-site monitoring wells. Berms and other BMP's shall be used to protect the well heads of all on-site wells. Construction plans and specifications of the irrigation system, including BMP's for wellhead protection, shall be submitted to DEQ for review and approval prior to construction.

Notes: 1. Irrigation Water Requirement (IWR) using data from the tables of the following University of Idaho web site: http://www.kimberly.uidaho.edu/water/appndxet/index.shtml.
IWR is equal to the mean IR data from these tables divided by the irrigation efficiency. The numbers in these tables need to be converted to inches. In lieu of these tables, current climatic and evaporation data, or 30-year average data may be used to calculate the IWR, as defined in the *1994 Technical Interpretive Supplement* on page IV-6 and 7. Assume no carryover soil moisture and a leaching rate of zero in calculating the IWR. Application shall generally follow consumptive use rates for the crop throughout the season.

2. Non-growing Season Hydraulic Loading Rate (HLR_{ngs}) as defined in the *1994 Technical Interpretive Supplement* on page IV-11 and 12, using current climatic data, ET values taken from the USDA-Agricultural Research Service study in Kimberly Idaho, or using 30-year average data. HLR_{ngs} equals the Available Water Capacity of the soil (AWC) plus ET minus the Precipitation (PPT_{ngs}). No allowance will be given for the leaching requirement.

3. Precision agricultural irrigation systems will be used at pivots 2 and 3 to avoid irrigating soils with low AWC values during the non-growing season. The values shown for acres irrigated have been adjusted to reflect those non-irrigated areas.

E. Monitoring Requirements

1.) The permittee shall monitor and measure parameters as stated in the Facility Monitoring Schedule in this section.

2.) Samples shall be collected at times and locations that represent typical environmental and process parameters being monitored.

3.) Appropriate analytical methods, as given in the DEQ *Handbook for Land Application of Municipal and Industrial Wastewater, April 1996*, or as approved by the Idaho Department of Environmental Quality (hereinafter referred to as "DEQ"), shall be employed.

4.) A description of approved sample collection methods, appropriate analytical methods, and QA/QC procedures shall be included in the Operation and Maintenance manual.

5.) Unless otherwise agreed to in writing by DEQ, data collected and submitted shall include, but not be limited to, the parameters and frequencies in the table on the following page.

6.) Ten (10) soil sample locations shall be selected for each management unit with greater than fifteen acres and Five (5) soil sample locations shall be selected for each management unit with fifteen acres or less. Three (3) soil samples shall be collected at each sample location, one at 0-12 inches, one at 12-24 inches, and one at 24-36 inches. The soil samples collected at each depth shall be composited to yield three (3) samples for analysis from each management unit.

7.) Ground water monitoring wells shall be purged a minimum of three (3) casing volumes prior to obtaining a sample of ground water. The static water level shall be measured prior to pumping or sampling the ground water.

8.) Annual reporting of monitoring requirements is described in Section G, Reporting Requirements.

9.) Monitoring locations are defined in Appendix 1, "Environmental Monitoring Serial Numbers."

Monitoring Requirements (continued)

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Daily	Flow meter	Effluent wastewater quantity	Volume (million gallons and acre-inches) to each HMU, record monthly
Monthly	Effluent to land application	Effluent wastewater quality	Chemical Oxygen Demand, Total Kjeldahl Nitrogen, Ammonia-Nitrogen, Nitrite + Nitrate-Nitrogen, Total Phosphorous, Chloride, Electrical Conductivity, Potassium, pH
Quarterly	Effluent to land application	Wastewater quality into land application system	Total Dissolved Inorganic Solids (TDIS) - the summation of chemical concentration results for the following common ions (in mg/l): calcium, magnesium, potassium, sodium, chloride, sulfate, and 0.6 times alkalinity (alkalinity measured as calcium carbonate). Submit analysis of individual ions in addition to TDIS.
Quarterly (For the first year only)	Effluent to land application	Wastewater quality into land application system	Total Dissolved Solids (TDS), Volatile Dissolved Solids (VDS)
Daily	Flow meter or Calibrated Pump Rate	Supplemental Irrigation Water	Volume (million gallons and acre-inches) to each HMU, record monthly
Twice per year (Apr. and Oct.)	Supplemental Irrigation Pump	Grab sample	Nitrate-Nitrogen, Total Phosphorous, Total Dissolved Solids, Volatile Dissolved Solids, Chloride.
Monthly		Calculate IWR for each crop type	Volume (million gallons and acre-inches) to each HMU, record monthly
Quarterly (Feb., May, Aug., and Nov.)	Onsite domestic well (See Appendix 2, Figure 2)	Grab sample	Chemical Oxygen Demand, Nitrate-Nitrogen, Total Dissolved Solids, Chloride, Sulfate, Total Phosphorus, Total Iron, Dissolved Iron[2], Total Manganese, Dissolved Manganese[2]

Monitoring Requirements (continued)

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Quarterly (Feb., May, Aug., and Nov.)	Nine (9) groundwater-monitoring wells installed per Section F.	See monitoring requirement E.7	Chemical Oxygen Demand, Nitrate-Nitrogen, Total Phosphorous, Total Dissolved Solids, Water table elevation, Water table depth, Chloride, Sulfate, Total Iron, Dissolved Iron[2], Total Manganese, Dissolved Manganese[2]
Twice per year (Mar. and Nov.) (See Appendix 2 for locations)	Domestic wells within ¼ mile of all application acreage	Grab sample from domestic wells (With documentation of owner's permission prior to taking sample or owner must decline permission in writing)	Chemical Oxygen Demand, Nitrate-Nitrogen, Total Dissolved Solids, Chloride, Sulfate, Total Phosphorus, Total Iron, Dissolved Iron[2], Total Manganese, Dissolved Manganese[2]
Daily during NGS	One location	Temperature	High and low air temperatures during each 24 hour period.
Annually (Nov.)	Each soil monitoring unit	See monitoring requirement E.6	Sodium Adsorption Ratio
Twice per year (March and Nov.)	Each soil monitoring unit	See monitoring requirement E.6	Electrical Conductivity, Nitrate-Nitrogen, Ammonium Nitrogen, Phosphorous (plant available), pH
Annually	Each HMU	Crop yield	Pounds/acre and total pounds per HMU (specify moisture basis)

Monitoring Requirements (continued)

Frequency	Monitoring Point	Description/Type of Monitoring	Parameters
Annually	Each HMU	Calculate crop nitrogen, phosphorous, and ash removal	Nitrogen, phosphorus & ash removed, lbs./acre-year
	Each HMU	Calculate NGS wastewater loading rate	Inches and Million Gallons/NGS
	Each HMU	Calculate seasonal (NGS/GS) average COD loading	COD Seasonal averages in lbs./acre-day
	Each HMU	Nitrogen fertilizer application	Fertilizer nitrogen applied, lbs./acre-year
	Each HMU	Calculate nitrogen loading from wastewater application	Nitrogen applied in lbs./acre-year
	Each HMU	Calculate phosphorous loading from wastewater application	Phosphorus applied in lbs./acre-year
	Each HMU	Inorganic TDS loading rate (TDS-VDS)	Inorganic TDS in lbs./acre-year
	Each HMU	Plant tissue analysis: Composite sample of harvested portion.	Nitrate-nitrogen, total kjeldahl nitrogen, total phosphorus, ash (dry tons/acre)

2. Analytical results are required for dissolved iron and/or manganese only if the results for total iron and/or manganese exceed the standards in IDAPA 58.01.11.200.01.b.

F. Compliance Schedule For Required Activities

The Activities in the following table shall be completed on or before the Completion Date unless modified by the Department in writing.

Compliance Activity Number **Completion Date**	Compliance Activity Description
CA-007-01 **50% completion point of construction of the wastewater transmission and land application facilities**	A Plan of Operation (Operation & Maintenance Manual or O&M Manual) for the wastewater land application facilities incorporating the requirements of this permit shall be submitted to DEQ for review and comment. The O&M manual shall be designed for use as an operator guide for actual day-to-day operations to meet permit requirements. The O&M shall include daily facility sampling and monitoring requirements to insure proper operation of the wastewater treatment facility, including complete records of all reports and daily field logs required to determine permit compliance. An odor management plan shall be included as part of the O&M manual. A Contingency Plan shall also be included as part of the O&M manual. The Contingency Plan shall address, but is not limited to, the following: 1.) Spill Prevention, Containment and Countermeasures 2.) Emergency Response 3.) System Upsets
CA-007-02 **Prior to groundwater monitoring well installation in CA-007-03**	Submit to the Department for review and approval a ground water monitoring well proposal, which specifies a minimum of two (2) new down-gradient ground water monitoring wells, one deep and one shallow, for the land application site. A total of nine (9) monitoring wells will be required to monitor ground water quality. The proposal shall include well locations and well specifications. Well locations shown in Appendix 2, Figure 2 may need to be changed, depending on actual groundwater conditions.
CA-007-03 **Prior to initial wastewater land application**	Complete installation of ground water monitoring wells approved in CA-007-02. Sample each well a minimum of three (3) times for the groundwater quality parameters shown in Section E, prior to initial wastewater land application.
CA-007-04 **3 months after permit issuance**	A Waste Solids Management Plan shall be submitted to the DEQ for review and approval. The plan shall address how the requirements of Section H, No. 6 will be satisfied. The plan shall include how silt, tare and clarifier solids will be managed. The plan shall include a detailed closure plan for the existing three silt ponds or a plan to re-build these ponds to meet applicable design criteria (i.e. seepage test, CA-007-09). Plans and specifications, approved by DEQ, are required prior to construction or modification.

F. Compliance Schedule For Required Activities (continued)

Compliance Activity Number **Completion Date**	Compliance Activity Description
CA-007-05 **Six months after permit issuance**	Submit a ground water quality impact report using the aquifer characteristics previously provided, up-gradient ground water quality, and projected wastewater loading rates. At a minimum, the report shall evaluate nitrate-N, TDS, chloride, sulfate, phosphorus, iron, manganese and address the origin of the high coliform counts in the ground water. The report should discuss the present condition of the groundwater and how current agricultural practices have effected the groundwater. The report should also discuss how future wastewater land applications will effect the groundwater (i.e. will the groundwater improve, get worse or stay the same).
CA-007-06 **Fifteen months after startup of the new land application site**	The O&M manual shall be updated to reflect the operation of the new land application site and submitted to the DEQ for review and approval. Upon approval, the O&M manual shall be incorporated by reference into this permit and shall be enforceable as a part of this permit.
CA-007-07 **45 Days prior to anticipated construction**	Plans and specifications shall be submitted to DEQ for review and approval prior to any new construction of the wastewater or land application facilities. The plans and specifications shall include the construction of the distribution mainline, irrigation system, required BMP's, the new process water storage pond, and any other upgrades necessary for a complete treatment and land application system. The plans and specifications shall also include the abandonment, replacement or repair of the clarifier, or a proposal for an alternative pre-treatment process.
CA-007-08 **Prior to initial Wastewater land Application**	Successfully demonstrate the reliability of the precision irrigation system using fresh Irrigation water for a period of three months prior to wastewater land application. The demonstration results shall be certified by a third party that the precision irrigation system is in compliance with the buffer zones specified in the permit or in the approved plans and specifications. The demonstration results shall be submitted to DEQ, in report form, for review and approval prior to system use with wastewater.
CA-007-09 **Prior to initial Wastewater land Application** **6 months prior to permit expiration, submit a new seepage test with the permit renewal application.**	Conduct seepage testing in accordance with the DEQ uniform seepage test procedures (DEQ program guidance No. MFC-8) or a method approved by the DEQ This applies to all wastewater storage or conveyance structures or ponds at the treatment facility and the land application site including the clarifier, if used, at the treatment facility and the storage pond at the land application site. The leakage performance standard set in the DEQ guidance No. MFC-8 is specified as 0.125 inches/day or less for new structures or ponds and 0.25 inches/day or less for existing structures or ponds. If a structure or pond does not meet these seepage requirements, the permittee shall submit a plan and schedule, for DEQ review and approval, to either repair, replace or abandon the structure or pond.

F. Compliance Schedule For Required Activities (continued)

Compliance Activity Number **Completion Date**	Compliance Activity Description
CA-007-10 **Prior to initial wastewater land application**	Evaluate the existing nitrogen content of the soil based on soil type. DEQ requires that the nitrogen content be reduced to 120 pounds per acre, or less, prior to applying wastewater at 150% of nitrogen crop uptake. DEQ will impose further restrictions on nitrogen loading rates if the soil nitrogen content exceeds 120 pounds per acre.
CA-007-11 **Prior to initial wastewater land application**	Evaluate the existing tile drain system to ascertain its usefulness. If the tile drain system is no longer useful, the system will need to be removed as part of the site construction. However, if the tile drain system is needed a quarterly monitoring requirement will need to be added to this permit for Nitrate-Nitrogen, Total Phosphorus and TDS discharges into Little Canyon Creek.

G. Reporting Requirements

1.) The Permittee shall submit an Annual Wastewater-Land Application Site Performance Report ("Annual Report") prepared by a competent environmental professional no later than January 31 of each year, which shall cover the previous year from November 1 through October 31. The Annual Report shall include an interpretive discussion of monitoring data (ground water, soils, hydraulic loading, wastewater etc.) with particular respect to environmental impacts by the facility.

2.) The annual report shall contain the results of the required monitoring as described in *Section E. Monitoring Requirements*. Sampling frequencies greater than those prescribed in the Monitoring Requirements for parameters listed shall be included in the Annual Report.

3.) The annual report shall include completed copies of daily field logs required to determine non-growing season field conditions (frozen, not frozen, ice layer, ponding, run-off, etc.). Any additional reports required to determine permit compliance, including response to odor complaints, shall also be included in the annual report.

4.) Notice of completion of any work described in Section F. Compliance Schedule for Required Activities shall be submitted to the Department within 30 days of activity completion. The status of all other work described in Section F shall be submitted with the Annual Report.

H. Standard Permit Conditions: Procedures and Reporting

1. The permittee shall at all times properly maintain and operate all structures, systems, and equipment for treatment, operational controls and monitoring, which are installed or used by the permittee to comply with all conditions of the permit or the Wastewater-Land Application Permit Regulations, in conformance with a DEQ approved, current Plan of Operations (Operations and Maintenance Manual) which describes in detail the operations, maintenance, and management of the wastewater treatment system. This Plan of Operations shall be updated as necessary to reflect current operations.

2. Wastewater(s) or recharge waters applied to the land surface must be restricted to the premises of the application site, unless permission has been obtained from the Department authorizing a discharge into the waters of the State, as stated in IDAPA 58.01.02.600.02.

3. Wastewater must not create a public health hazard or nuisance condition, as stated in IDAPA 58.01.02.600.03. In order to prevent public health hazards and nuisance conditions, the permittee shall:

    a. Apply wastewater as evenly as practicable to the treatment area;
    b. prevent organic solids (contained in the wastewater) from accumulating on the ground surface to the point where the solids putrefy or support vectors or insects; and
    c. prevent wastewater from ponding in the fields to the point where the ponded wastewater putrefies or supports vectors or insects.

4. As a result of the land application of wastewater, ground water of the state must not contain contaminants exceeding those values as referenced under IDAPA 58.01.11.200a, b, and c of the Ground Water Quality Rule, unless otherwise specified in this permit.

5. The permittee shall:

    a. Manage the wastewater land application treatment site as an agronomic operation where vegetative cover is grown and harvested to utilize the nutrients and minerals in the wastewater; and
    b. not hydraulically overload any particular areas of the wastewater land application treatment site.

6. All waste solids, including dredgings and sludges, shall be utilized or disposed in a manner which will prevent their entry, or the entry of contaminated drainage or leachate therefrom, into the waters of the state such that health hazards and nuisance conditions are not created; and to prevent impacts on designated beneficial uses of the ground water and surface water. The permittee's management of waste solids shall be governed by the terms of the Department approved Waste Solids Management Plan, which upon approval shall be an enforceable portion of this permit.

7. If the permittee intends to continue operation of the permitted facility after the expiration of an existing permit, the permittee shall apply for a new permit at least six months prior to the expiration date of the existing permit in accordance with the Waste Water Land Application Permit Regulations.

8. The permittee shall allow the Director of the Idaho Department of Environmental Quality or the Director's designee consistent with Title 39, Chapter 1, Idaho Code, to:
    a. Enter the permitted facility;
    b. inspect any records that must be kept under the conditions of the permit;
    c. inspect any facility, equipment, practice, or operation permitted or required by the permit; and
    d. sample or monitor for the purpose of assuring permit compliance, any substance or any parameter at the facility.

9. The permittee shall report to the Director under the circumstances and in the manner specified in this section:

    a. In writing thirty (30) days before any

planned physical alteration or addition to the permitted facility or activity if that alteration or addition would result in any significant change in information that was submitted during the permit application process.

b. In writing thirty (30) days before any anticipated change which would result in non-compliance with any permit condition or these regulations.

c. Orally within twenty-four (24) hours from the time the permittee became aware of any non-compliance, which may endanger the public health or the environment at the telephone numbers provided by the Director:

   DEQ Boise Regional Office: 208-373-0550
   Emergency 24-Hour Number: 1-800-632-8000

d. In writing as soon as possible, but within five (5) days, of the date the permittee knows or should know of any non-compliance unless extended by the Department. This report shall contain:

   i. A description of the non-compliance and its cause;
   ii. the period of non-compliance including to the extent possible, times and dates and, if the non-compliance has not been corrected, the anticipated time it is expected to continue; and
   iii. steps taken or planned to reduce or eliminate reoccurrence of the non-compliance.

e. In writing as soon as possible after the permittee becomes aware of relevant facts not submitted or incorrect information submitted, in a permit application or any report to the Director. Those facts or the correct information shall be included as a part of this report.

10. The permittee shall take all necessary actions to prevent or eliminate any adverse impact on the public health or the environment resulting from permit non-compliance.

11. The permittee shall determine (on an on-going basis) if any noxious weed problems relate to the permitted sites. If problems are present, coordinate with the Idaho Department of Agriculture or the local County authority regarding their requirements for noxious weed control. Also, address these control operations in an update to the Operations and Maintenance Manual.

I. Standard Permit Conditions: Modifications, Violation, and Revocation

1. The permittee shall furnish to the Director within a reasonable time, any information including copies of records, which may be requested by the Director to determine whether cause exists for modifying, revoking, re-issuing, or terminating the permit, or to determine compliance with the permit or these regulations.

2. Both minor and major modifications may be made to this permit as stated in IDAPA 58.01.17.700.01 and 02, with respect to any conditions stated in this permit upon review and approval of the Department.

3. Whenever a facility expansion, production increase or process modification is anticipated, which will result in a change in the character of pollutants to be discharged, or which will result in a new or increased discharge that will exceed the conditions of this permit, or if it is determined by the Department that the terms or conditions of the permit must be modified in order to adequately protect the public health or environment, a request for a permit modification must be submitted together with plans and specifications for the proposed changes. No such facility expansion, production increase or process modification shall be made until plans have been reviewed and approved by the Department.

4. Permits shall be transferable to a new owner or operator, provided that the permittee notifies the Director by requesting a minor modification of the permit before the date of transfer.

5. Any person violating any provision of the Waste Water Land Application Permit Regulations, or any permit or order issued thereunder shall be liable for a civil penalty not to exceed ten thousand dollars ($10,000) or one thousand dollars ($1,000) for each day of a continuing violation, whichever is greater. In addition, pursuant to Title 39, Chapter 1, Idaho Code, any willful or negligent violation may constitute a misdemeanor.

6. The Director may revoke a permit if the permittee violates any permit condition or the Wastewater Land Application Permit Regulations.

7. Except in cases of emergency, the Director shall issue a written notice of intent to revoke to the permittee prior to final revocation. Revocation shall become final within twenty (20) days of receipt of the notice by the permittee, unless within that time, the permittee requests an administrative hearing in writing to the Director.

8. The Director shall notify the permittee in writing of any revocation hearing at least twenty (20) days prior to the date set for such hearing. The hearing shall be conducted in accordance with Title 67, Chapter 52, Idaho Code.

9. If, pursuant to Idaho Code 67-5247, the Director finds the public health, safety or welfare requires emergency action, the Director shall incorporate findings in support of such action in a written notice of emergency revocation issued to the permittee. Emergency revocation shall be effective upon receipt by the permittee. Thereafter, if requested by the permittee in writing the Director shall provide the permittee a revocation hearing and prior notice thereof. Such hearings shall be conducted in accordance with Title 67, Chapter 52, Idaho Code.

10. The provisions of this permit are severable, and if a provision or its application is declared invalid or unenforceable for any reason, that declaration will not affect the validity or enforceability of the remaining provisions.

11. The permittee shall notify the Department at least six (6) months prior to permanently removing any permitted land application site from service. Prior to commencing site closure activities, the permittee shall: a) participate in a pre-site closure meeting with the Department; b) develop a site closure plan that identifies specific closure or cleanup tasks with scheduled task completion dates in accordance with agreements made at the pre-site closure meeting; and c) submit the completed site closure plan to the Department for review and approval within forty-five (45) days of the pre-site closure meeting. The permittee must complete the Department-approved site closure plan, d) agree in writing to complete the Department- approved site closure plan.

Appendix 1
Environmental Monitoring Serial Numbers
Computerized Data Reporting Serial Number Key

HYDRAULIC MANAGEMENT UNITS

Serial Number	Description	Acres (GS)	Acres (NGS)
MU-000716	Pivot 1	34.1	34.1
MU-000717	Pivot 2	73.5	73.5
MU-000718	Pivot 3	122.1	109.1
MU-000719	Pivot 4	20.5	20.5
MU-000720	Pivot 5	21.6	21.6
MU-000721	Pivot 6	13.1	13.1
MU-000722	WH – 1	14.9	14.9
MU-000723	WH – 2	8.0	8.0
MU-000724	WH – 3	7.9	7.9
MU-000725	WH – 4	2.4	2.4
MU-000726	WH – 5	3.3	3.3
MU-000727	WH – 6	8.4	8.4

WASTEWATER SAMPLING POINTS

Serial Number	Description
WW-000703	Effluent to land application system

Appendix 1
Environmental Monitoring Serial Numbers
Computerized Data Reporting Serial Number Key

SURFACE WATER SAMPLING POINTS

Serial Number	Description
SW-000701	Tile drain to Little Canyon Creek.
SW-000702	Supplemental irrigation water supply from the King Hill Irrigation Water District.

SOIL MONITORING UNITS

Soil Monitoring Unit	Common Name	Associated Hydraulic Mgmt Unit
SU-000716	Pivot 1	MU-000716
SU-000717	Pivot 2	MU-000717
SU-000718	Pivot 3	MU-000718
SU-000719	Pivot 4	MU-000719
SU-000720	Pivot 5	MU-000720
SU-000721	Pivot 6	MU-000721
SU-000722	WH – 1	MU-000722
SU-000723	WH – 2	MU-000723
SU-000724	WH – 3	MU-000724
SU-000725	WH – 4	MU-000725
SU-000726	WH – 5	MU-000726
SU-000727	WH – 6	MU-000727

Appendix 1
Environmental Monitoring Serial Numbers
Computerized Data Reporting Serial Number Key

GROUND WATER MONITORING

Ground Water Monitoring Unit	Common Name	Location
GW-000710	Up-gradient MW–1S	See Figure 3, Appendix 2
GW-000711	Down-gradient MW–3D	See Figure 3, Appendix 2
GW-000712	Down-gradient MW–3S	See Figure 3, Appendix 2
GW-000713	Down-gradient MW–4S	See Figure 3, Appendix 2
GW-000714	Down-gradient MW–5S	See Figure 3, Appendix 2
GW-000715	Up-gradient MW–6S	See Figure 3, Appendix 2
GW-000716	Up-gradient MW–7S	See Figure 3, Appendix 2
GW-000717	Down-gradient MW–8D (CA-007-03)	See Figure 3, Appendix 2
GW-000718	Down-gradient MW–8S (CA-007-03)	See Figure 3, Appendix 2
GW-000719	Onsite Domestic Well (# 2 MWI)	See Figure 3, Appendix 2